



The Great Salt Lake at a Glance

Natural Resources, Agriculture & Environment Committee

June 19, 2019

John C. Fremont – 9/3/1843



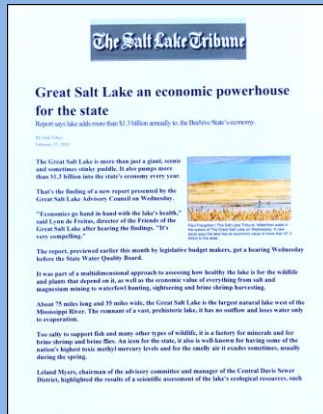
“The whole morass was animated with multitudes of waterfowl which appeared to be very wild – rising for the space of a mile around about at the sound of a gun with a noise like distant thunder”



The Great Salt Lake What's Good for The Birds...

Is Good for...

- The salt and fertilizer industries
- The magnesium industry
- The brine shrimp industry
- The tourist industry



1.3 Billion annually for Utah's Economy



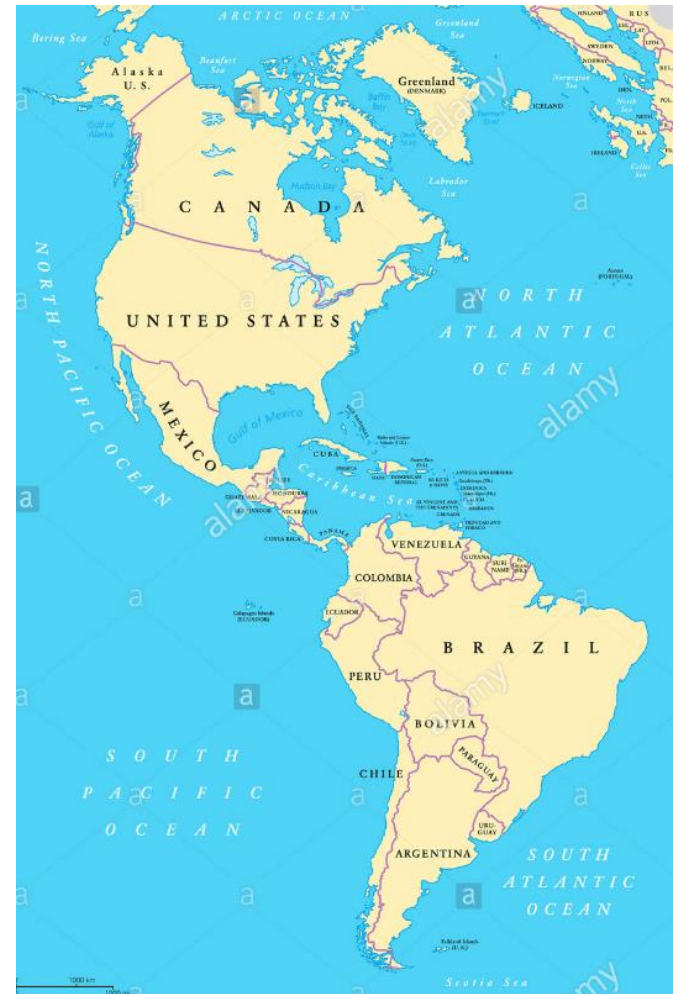
Birds of the Great Salt Lake



The Great Salt Lake

*One of the most significant natural
areas in North America*

Numbers	Species	% of World's Population
600,000	Wilson's Phalarope	40% world's population
20,000	White-faced Ibis	20% world's population
252,000	American Avocet	56% world's population
1,369,000	Eared Grebe	37% world's population
54,000	Marbled Godwit	27% world's population
56,000	American White Pelican	31% world's population
149,000	Franklin's Gull	10% continental US population
13,200	Snowy Plover	75% interior US population
160,000	California Gull	world's largest breeding population
400	American Bald Eagle	winter on GSL



*The Great Salt Lake – One of only 23
Western Hemisphere Shorebird Reserves*

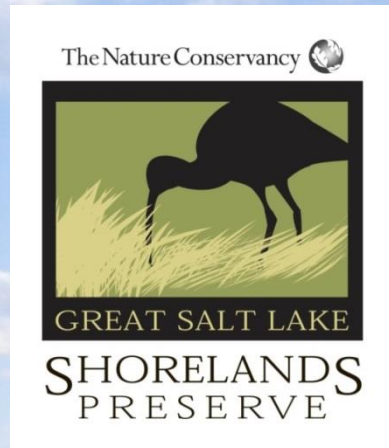


Great Salt Lake: 32 Years, 53 Transactions, over 11,000 acres



Great Salt Lake Shorelands Preserve

44 transactions = 4,736 acres
Over \$25 million invested in public
and private funds since 1984



GSL Shorelands Preserve Visitor Center
Dedicated June 18, 2004



Wings & Water Wetlands Education Program



Wings & Water: Over 20,000 4th Graders Learn About the GSL





Jane Goodall – Great Salt Lake Shorelands Preserve - 2007

Shorelands Preserve Invasives Control



Cattle graze
phragmites stand

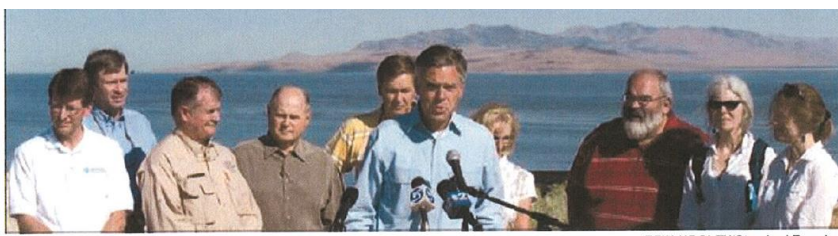
Marsh Master
phragmites mower used
for effective treatment





Many Uses: Hunting, Recreation, Brine Shrimp, Salt Harvest etc.





ERIN HOOLEY/Standard-Examiner

Gov. Jon Huntsman (center) announces the creation of the Great Salt Lake Advisory Council on Monday at Antelope Island State Park. From left: Corey Milne, Dave Livermore, Bill Fenimore, state Sen. Dan Eastman, Don Leonard, Huntsman, Neka Roundy, Leland Myers, Lynn DeFreitas and Dr. Bonnie Baxter. Their affiliations are listed in the accompanying box.

Governor acts to preserve Great Salt Lake



Great Salt Lake Advisory Council

- State Sen. Dan Eastman
- Rep. Ben Ferry
- Neka Roundy, Kaysville mayor, Davis County Economic Development
- Colleen Johnson, Tooele County commissioner
- Bill Fenimore, Wild Bird Center owner

By LORETTA PARK

Standard-Examiner Davis Bureau
lpark@standard.net

ANTELOPE ISLAND — Newly appointed members of the Great Salt Lake Advisory Council say they have a big job ahead of them.



Governor Huntsman proclamation est. GSL Advisory Council 8/26/2008
HB 343 formally creates GSLAC, 6/30/2010



“The Great Salt Lake Advisory Council is playing a vital role in balancing the many uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations.”
- Governor Gary Herbert



Table 10. Current Overall Health of Eight Ecological Targets for Great Salt Lake Summarized by Bay

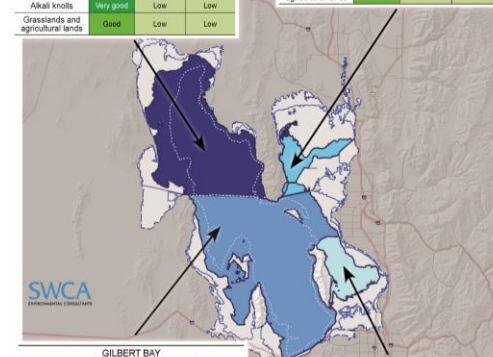
Ecological Targets	Gilbert Bay	Gunnison Bay	Bear River Bay	Farmington Bay	OVERALL RANKING	Uncertainty ¹
System-wide Lake and Wetland	Good				Good	Medium
Open Water	Good	Not ranked	Not ranked	Not ranked	Not ranked	Very High
Unimpounded marsh complex	Not ranked	Not ranked	Not ranked	Not ranked	Not ranked	High
Impounded wetland complex	Not ranked	Not ranked	Good	Poor	Not ranked	Very High
Mudflats and plays	Good	Very Good	Good	Good	Good	Low
Isolated island habitat for breeding birds	Good	Good	NA	NA	Good	Low
Alkali knolls	Fair	Very Good	Poor	Poor	Fair	Low
Adjoining grasslands and agricultural lands	Good	Good	Good	Good	Good	Low
SUMMARY					Good	Medium

GUNNISON BAY

Ecological Targets	Current Health	Health Uncertainty	Future Stress
Open water of bays	Not ranked	Very High	Low
Unimpounded marsh complex	Not ranked	High	Low
Impounded wetlands	Not ranked	Very High	Low
Mudflats and plays	Very good	Low	Low
Isolated island habitat for breeding birds	Good	Low	Very High
Alkali knolls	Very good	Low	Low
Grasslands and agricultural lands	Good	Low	Low

BEAR RIVER BAY

Ecological Targets	Current Health	Health Uncertainty	Future Stress
Open water of bays	Not ranked	Very High	High
Unimpounded marsh complex	Not ranked	High	Medium
Impounded wetlands	Good	Medium	Medium
Mudflats and plays	Good	Low	High
Alkali knolls	Poor	Low	High
Grasslands and agricultural lands	Good	Low	Low



GILBERT BAY

Ecological Targets	Current Health	Health Uncertainty	Future Stress
Open water of bays	Good	Medium	High
Unimpounded marsh complex	Not ranked	High	High
Impounded wetlands	Not ranked	Very High	Very High
Mudflats and plays	Good	Low	Medium
Isolated island habitat for breeding birds	Good	Low	Very High
Alkali knolls	Fair	Low	High
Grasslands and agricultural lands	Good	Low	High

FARMINGTON BAY

Ecological Target	Current Health	Health Uncertainty	Future Stress
Open water of bays	Not ranked	Very High	High
Unimpounded marsh complex	Not ranked	High	High
Impounded wetlands	Poor	Medium	Very High
Mudflats and plays	Good	Low	Very High
Alkali knolls	Poor	Low	Very High
Grasslands and agricultural lands	Good	Low	Medium



GSLAC Annual Reports to the Legislature

Great Salt Lake Advisory Council

7th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2017



"The Great Salt Lake Advisory Council is playing a vital role in helping to balance the many important uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations."
— Governor Gary Herbert



Great Salt Lake Advisory Council

8th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2018



"The Great Salt Lake Advisory Council is playing a vital role in helping to balance the many important uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations."
— Governor Gary Herbert



Great Salt Lake Advisory Council

5th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2015



"The Great Salt Lake Advisory Council is playing a vital role in helping to balance the many important uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations."
— Governor Gary Herbert



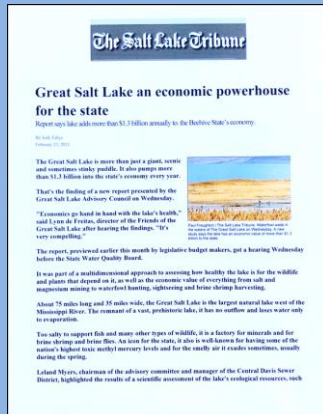
"To advise the governor, the Department of Natural Resources, and the Department of Environmental Quality on the sustainable use, protection and development of the Great Salt Lake"



The Great Salt Lake What's Good for The Birds...

Is Good for...

- The salt and fertilizer industries
- The magnesium industry
- The brine shrimp industry
- The tourist industry



1.3 Billion annually for Utah's Economy



The Great Salt Lake & Human Health: A dry lake = increased dust storms = environmental hazard. Example: Owens Lake in CA.

